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FILE LAST UPDATED: 7 Jan 2007 (20070107/ED)

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=> s polyfluoroalkyl iodide (p) ethylene (p) copper  
1610 POLYFLUOROALKYL  
1 POLYFLUOROALKYLS  
1610 POLYFLUOROALKYL  
(POLYFLUOROALKYL OR POLYFLUOROALKYLS)  
180541 IODIDE  
24898 IODIDES  
190628 IODIDE  
(IODIDE OR IODIDES)  
91 POLYFLUOROALKYL IODIDE  
(POLYFLUOROALKYL (W) IODIDE)  
538368 ETHYLENE  
3381 ETHYLENES  
539855 ETHYLENE  
(ETHYLENE OR ETHYLENES)  
918588 COPPER  
443 COPPERS  
918652 COPPER  
(COPPER OR COPPERS)  
1 POLYFLUOROALKYL IODIDE (P) ETHYLENE (P)

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L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2003:1006848 CAPLUS  
DOCUMENT NUMBER: 140:17105  
TITLE: Metallic copper catalyst for polyfluoroalkylethyl iodide production and process for producing polyfluoroalkylethyl iodides  
INVENTOR(S): Funakoshi, Yoshiro; Miki, Jun  
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan  
SOURCE: PCT Int. Appl., 21 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003106023	A1	20031224	WO 2003-JP7643	20030617
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003241701	A1	20031231	AU 2003-241701	20030617
CN 1662302	A	20050831	CN 2003-814144	20030617
US 2005250966	A1	20051110	US 2004-516940	20041215
PRIORITY APPLN. INFO.:			JP 2002-175381	A 20020617
			WO 2003-JP7643	W 20030617

OTHER SOURCE(S): MARPAT 140:17105

AB Copper catalyzes the addition of ethylene to polyfluoroalkyl iodides to prepare polyfluoroalkylethyl iodides. Thus, 138.6 g C2F5I, 8.21 g Cu, and 1.0 MPa C2H4 were heated 80 min at 80° to give perfluoroethyl iodide at selectivity 99.8% and C2F5I conversion 99.5%.

REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s polyfluoromethyl iodide (p) (ethylene) (P) copper  
17 POLYFLUOROMETHYL

180541 IODIDE

24898 IODIDES

190628 IODIDE

(IODIDE OR IODIDES)

0 POLYFLUOROMETHYL IODIDE

(POLYFLUOROMETHYL(W) IODIDE)

538368 ETHYLENE

3381 ETHYLENES

539855 ETHYLENE

(ETHYLENE OR ETHYLENES)

918588 COPPER

443 COPPERS

918652 COPPER

(COPPER OR COPPERS)

L2 0 POLYFLUOROMETHYL IODIDE (P) (ETHYLENE) (P) COPPER

=> d his

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FILE 'CAPLUS' ENTERED AT 11:42:36 ON 08 JAN 2007

L1 1 S POLYFLUOROALKYL IODIDE (P) ETHYLENE (P) COPPER  
L2 0 S POLYFLUOROMETHYL IODIDE (P) (ETHYLENE) (P) COPPER

=> s polyfluoroethyl iodide (p) (ethylene) (P) copper

17 POLYFLUOROETHYL

180541 IODIDE

24898 IODIDES

190628 IODIDE

(IODIDE OR IODIDES)

0 POLYFLUOROETHYL IODIDE

(POLYFLUOROETHYL (W) IODIDE)

538368 ETHYLENE

3381 ETHYLENES

539855 ETHYLENE

(ETHYLENE OR ETHYLENES)

918588 COPPER

443 COPPERS

918652 COPPER

(COPPER OR COPPERS)

L3 0 POLYFLUOROETHYL IODIDE (P) (ETHYLENE) (P) COPPER

=> s polyfluoroethyl iodide (l) (ethylene) (l) copper

17 POLYFLUOROETHYL

180541 IODIDE

24898 IODIDES

190628 IODIDE

(IODIDE OR IODIDES)

0 POLYFLUOROETHYL IODIDE

(POLYFLUOROETHYL (W) IODIDE)

538368 ETHYLENE

3381 ETHYLENES

539855 ETHYLENE

(ETHYLENE OR ETHYLENES)

918588 COPPER

443 COPPERS

918652 COPPER

(COPPER OR COPPERS)

L4 0 POLYFLUOROETHYL IODIDE (L) (ETHYLENE) (L) COPPER

=> s polyfluoropropyl iodide (l) (ethylene) (l) copper

9 POLYFLUOROPROPYL

180541 IODIDE

24898 IODIDES

190628 IODIDE

(IODIDE OR IODIDES)

0 POLYFLUOROPROPYL IODIDE

(POLYFLUOROPROPYL (W) IODIDE)

538368 ETHYLENE

3381 ETHYLENES

539855 ETHYLENE

(ETHYLENE OR ETHYLENES)

918588 COPPER

443 COPPERS

918652 COPPER

(COPPER OR COPPERS)

L5 0 POLYFLUOROPROPYL IODIDE (L) (ETHYLENE) (L) COPPER

=> s polyfluorobutyl iodide (l) (ethylene) (l) copper

3 POLYFLUOROBUTYL

180541 IODIDE  
24898 IODIDES  
190628 IODIDE  
(IODIDE OR IODIDES)  
1 POLYFLUOROBUTYL IODIDE  
(POLYFLUOROBUTYL (W) IODIDE)  
538368 ETHYLENE  
3381 ETHYLENES  
539855 ETHYLENE  
(ETHYLENE OR ETHYLENES)  
918588 COPPER  
443 COPPERS  
918652 COPPER  
(COPPER OR COPPERS)  
L6 0 POLYFLUOROBUTYL IODIDE (L) (ETHYLENE) (L) COPPER  
  
=> s polyfluoropentyl iodide (1) (ethylene) (1) copper  
3 POLYFLUOROPENTYL  
180541 IODIDE  
24898 IODIDES  
190628 IODIDE  
(IODIDE OR IODIDES)  
0 POLYFLUOROPENTYL IODIDE  
(POLYFLUOROPENTYL (W) IODIDE)  
538368 ETHYLENE  
3381 ETHYLENES  
539855 ETHYLENE  
(ETHYLENE OR ETHYLENES)  
918588 COPPER  
443 COPPERS  
918652 COPPER  
(COPPER OR COPPERS)  
L7 0 POLYFLUOROPENTYL IODIDE (L) (ETHYLENE) (L) COPPER  
  
=> s polyfluorohexyl iodide (1) (ethylene) (1) copper  
0 POLYFLUOROHEXYL  
180541 IODIDE  
24898 IODIDES  
190628 IODIDE  
(IODIDE OR IODIDES)  
0 POLYFLUOROHEXYL IODIDE  
(POLYFLUOROHEXYL (W) IODIDE)  
538368 ETHYLENE  
3381 ETHYLENES  
539855 ETHYLENE  
(ETHYLENE OR ETHYLENES)  
918588 COPPER  
443 COPPERS  
918652 COPPER  
(COPPER OR COPPERS)  
L8 0 POLYFLUOROHEXYL IODIDE (L) (ETHYLENE) (L) COPPER